

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
)	
Frank J. LAND)	Group Art Unit: Not Assigned
)	
Application No.: Unassigned)	Examiner: Not Assigned
(Div. of 09/948,720))	
)	
Filed: June 27, 2003)	
)	
For: FIRE RESISTANT CORESPUN)	
YARN AND FABRIC COMPRISING)	
SAME)	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel Claims 1-20 without prejudice or disclaimer and add new Claims 21-22 as follows:

21. A method of forming a fire resistant double corespun yarn by air jet spinning comprising:

feeding a sliver of first staple fibers into an entrance trumpet of an air jet spinning apparatus;

passing said first staple fibers through a set of paired drafting rolls of the air jet spinning apparatus;

feeding a continuous filament fiberglass and continuous filament synthetic two-ply core between a last pair of the set of drafting rolls of the air jet spinning apparatus and onto the top of the first staple fibers;

passing said two-ply core and said first staple fibers through first and second fluid swirling air jet nozzles of the air jet spinning apparatus constructed to produce swirling fluid flows in opposite directions from one another, wherein the first air jet nozzle causes the first staple fibers to be spiraled around the two-ply core in a first direction, and the first and second air jet nozzles causes a minor portion of the first staple fibers to separate and wind around a majority of the first staple fibers in a second direction opposite to said first direction, and wherein the first staple fibers maintain a first sheath surrounding and covering the two-ply core to form a first corespun yarn; and

drawing from said second air jet nozzle the first corespun yarn via a delivery roll assembly of the air jet spinning apparatus.

22. The method according to claim 21, further comprising:

feeding a sliver of second staple fibers into the entrance trumpet of the air jet spinning apparatus;

passing said first corespun yarn through a set of paired drafting rolls of the air jet spinning apparatus;

passing said first corespun yarn and said second staple fibers through said first and second fluid swirling air jet nozzles, wherein the first air jet nozzle causes the second staple fibers to be spiraled around the first corespun yarn in a first direction, and the first and second air jet nozzles causes a minor portion of the second staple fibers to separate and wind around a majority of the second staple fibers in a second direction opposite to said first direction, and wherein the second staple fibers maintain a second sheath surrounding and covering the first corespun yarn to form the double corespun yarn; and

drawing from said second air jet nozzle the double corespun yarn via a delivery roll assembly.--